WHAT IS CLAIMED IS:

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1. A method for manufacturing a panel assembly having inner and outer panels, comprising:

forming a flange portion at an edge of an outer panel;

applying a hemming sealer to an interior portion of the flange portion of the outer panel;

positioning an inner panel at the flange portion of the outer panel that is applied with the hemming sealer;

compressing the inner panel to the outer panel; and

hemming an edge of the inner panel with the flange portion of the outer panel such that a gap of a predetermined clearance larger than zero (0) is formed between the inner panel and an edge of the outer panel.

- 2. The method of claim 1, wherein the gap extends along the entire edge of the outer panel having the flange portion.
- 3. The method of claim 2, wherein the predetermined clearance lies in a range of between about 0.4-0.6mm.
- 4. The method of claim 1, wherein the hemming sealer comprises a plurality of beads that interconnect the inner and outer panels when the inner panel is compressed to the outer panel.
- 5. The method of claim 1, further comprising forming, in the gap, at least one layer of a phosphate layer and an electrodeposition layer.
 - 6. A panel assembly comprising:

an outer panel; and

an inner panel at least part of which is attached to an inner surface of the outer panel,

wherein an edge of the outer panel is bent to a side of the inner panel opposite to the at least part of the inner panel, and

- a gap of a predetermined clearance larger than zero (0) is formed between the inner panel and the edge of the outer panel.
- 7. The panel assembly of claim 6, wherein the gap extends along the entire edge of the outer panel bent to the inner panel.
 - 8. The panel assembly of claim 7, wherein the predetermined clearance lies in a range of between about 0.4-0.6mm.
- 9. The panel assembly of claim 6, wherein the at least part of the inner panel is compressed to the outer panel interposing a hemming sealer, the hemming sealer comprising a plurality of beads that interconnect the inner and outer panels when the inner panel is compressed to the outer panel.
 - 10. The panel assembly of claim 6, wherein at least one layer of a phosphate layer and an electrodeposition layer is formed in the gap.

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